

### Ingley's Biological Essays

lating to chemical element of cartilage; nor for lactate; nor for synthon, the constituent of plastic; nor for their nervous or biliary substances; nor for their amyloid matters; nor for their capacity for the fat factor. It has been experimentally demonstrated that animals are not able to make for themselves. But that which they cannot make, but must in all known cases obtain directly or indirectly from plants, is the peculiarly nitrogenous material, protein. Thus the plant is the ideal proprietor of the life of the living world, the worker who produces the animal; by comparison, the ideal aristocrat, the animal who must live in consumption. Here lies the last hope of finding the principle of demarcation between plants and animals, as, for Mr. Huxley has made clear in the essay before us, there is a border territory between the two kingdoms, a sort of no man's land, the inhabitants of which certainly cannot be discriminated and brought to their proper allegiance in any other way. An ex-

brings primarily before the mind is that at the coal floor, viewed in relation to the enormous period of time which it lasted, and to the still vaster period which has elapsed since it flourished, underwent little change while it endured, and, in its typical character, differs strangely little from the vegetation of the present day. In some species of plants are to be met with throughout the whole thickness of the coal field, and the youngest are not sensibly different from the oldest. More than this: notwithstanding that the carboniferous period is separated from the present by more than the whole time represented by the secondary and tertiary formations, the types of vegetation were as distinct then as now. The structure of the coal field itself supplies a complete explanation of the fossil remains of the lepidodendra and the fronds of some of the ancient ferns are hard to distinguish from the existing ones. At the same time, it must be remembered that there is nowhere in the world

much of his youth was passed amid the luxury and proscriptions which were the lot of adherents of the *ancien régime*. Philippe Segur was the first of the young men who mingled with the remnant of the old society which had survived once more to frequent the salons and the gardens of the aristocracy, and to risk of becoming a traitor and an enemy in the eyes of his friends. It was every drop of the blood of the old Marshal, his grandfather, who was still living, riddled with wounds, that called the grandson to the battlefield. It seems that he had been drawn by curiosity to the Council of Ancients, and that, in obeying the summons of the Council of Ancients, he began the revolution of the Thermidor by haranguing the garrison of Paris, to make sure of it against the Directory and the Council of Five Hundred. As Segur peering into the garden a gate opened, and he saw a man, whose sword was thrust on head and sabre in hand, and full of martial exaltation that soldiers show when they want to win or die. The author tells us in the height of them made the blood boil in his veins, and from that moment he was determined to take service in the ranks. He hoped, however, that he should be able to avoid that, at his departure from Paris, for thus he would have beheld him, without hearing it, the object of disapproval that he dreaded. The contrary, however, happened. An appeal dictated by political than military motives, led him to young men of good family and fortune, should have been the first to be known except, Gen. Dumais, a friend of the father, had charge of this organization. Philippe Segur went to him and secretly put his name on the list. It was only on his return from the first step that he confided his intention to his father. The latter approved the idea, and the day after the next he was present, but presently the hour of public life was at the Hotel de Ville took place. Young Segur's subsequent reception in the Faubourg St. Martin was worse even than he had expected, and his nearest relatives declaring that he was a traitor. The cause of severity revolted and he asked him, "What is the matter with you?" and of the young nobles came over to his side and shared in their turn. Thus began the first rupture of the old society with the new, and

to Napoleon's effort to rehabilitate  
his support all the aristocratic vic-  
torevolutionary proscription, and the elder  
led how, during his son's sojourn in  
Paris, Napoleon, having learned that  
his father, the Maréchal de Sérurier,  
had bestowed on him a pension when  
he him a noble reception when  
a warrior visited the Tuilleries to  
the First Consul. Bonaparte, it  
was said, had treated him with  
during their short interview, with the ut-  
ference, and, leading him down the  
had ordered the guard to present  
drums to beat, and all the military  
to be paid which had come been due to  
him. The Maréchal de Sérurier, be-  
tween the petty spite shown by Moreau  
to perambled the glory of the *ancien*  
touched young Sérurier deeply. His eyes  
were filled with tears, and he said that  
the rallying point which he had longed for  
which offered a chance of salvation to  
of the old society. No doubt the change  
season soon became known to Napoleon,  
and sending him on an errand of  
importance to meet him, he gave him an  
appointment on his own staff, which involved  
him in commanding every day the third  
that watched over the First Consul. We  
that the first contact that the young  
had with the soldiers was to be obey  
them. The young Sérurier was  
and at that time were veterans selected  
for their remarkable stature, but for the  
which they had won upon the bat-  
tle. It was not, therefore, without a pain-  
ful effort that Sérurier, smothering his  
resentment before the necessity to ac-  
cuse of air of assurance and the tone of au-  
thority required for military command. After  
a moment, however, the difference of  
his education proved no obstacle to his  
conduct. He was before the eyes of the  
of the class war which still raged with  
cessation, he always found that, provided cer-  
tain precautions were taken, an illustrious name  
was advantage.

III.

There is no scandal in these memoirs, but the  
account of the First Consul's private  
life, on that account, less interesting, and  
only more trustworthy. He notes that  
he was to be paid, dividing the First Consul's  
and best their interests. The scandal  
is caused by the firmness of the heart

[illegible][illegible]

**Difference between Christianity and Hinduism**  
From the Independent, 1906.  
The student of the religions of the East is not without some doubt as to the exact meaning of the word "transmigration of the soul," and the student of the religions of the West is not without some doubt as to the exact meaning of the word "resurrection of the body." The student of the religions of the East is not without some doubt as to the exact meaning of the word "transmigration of the soul," and the student of the religions of the West is not without some doubt as to the exact meaning of the word "resurrection of the body." The student of the religions of the East is not without some doubt as to the exact meaning of the word "transmigration of the soul," and the student of the religions of the West is not without some doubt as to the exact meaning of the word "resurrection of the body."